

**IN VIVO FORMED THERMALLY  
CONTRACTED COLLAGEN TISSUE**

**ABSTRACT**

5       A new composition of matter in vascularized densely collagenous tissue structure performing a biomechanical function in a body, the collagenous tissue structure having been treated *in vivo* in the body with a measurable amount of thermal energy which increased a cross-sectional diameter of a collagen fibrils in the collagenous tissue structure and decreased a longitudinal length of the collagen fibrils and preserve at least a portion of the biomechanical function performed by the collagenous tissue structure in the body.